STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/561, 179*
Source: *IFLOP*
Date Processed by STIC: *01/03/2006*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

IFWP

```
        3  <110> APPLICANT: Nuevolution A/S
        5  <120> TITLE OF INVENTION: Encoded molecules by translation (EMT)
        7  <130> FILE REFERENCE: P894PC00
C-->    9  <140> CURRENT APPLICATION NUMBER: US/10/561,179
C-->    9  <141> CURRENT FILING DATE: 2005-12-16
        9  <160> NUMBER OF SEQ ID NOS: 10
       11  <170> SOFTWARE: PatentIn version 3.1
       13  <210> SEQ ID NO: 1
       14  <211> LENGTH: 13
       15  <212> TYPE: PRT
       16  <213> ORGANISM: Artificial Sequence
       18  <220> FEATURE:
       19  <223> OTHER INFORMATION: Synthetic construct
       21  <220> FEATURE:
       22  <221> NAME/KEY: MISC_FEATURE
       23  <222> LOCATION: (3)..(3)
       24  <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
       27  <220> FEATURE:
       28  <221> NAME/KEY: MISC_FEATURE
       29  <222> LOCATION: (8)..(8)
       30  <223> OTHER INFORMATION: X represents leucine, isoleucine or valine.
       33  <220> FEATURE:
       34  <221> NAME/KEY: MISC_FEATURE
       35  <222> LOCATION: (11)..(11)
       36  <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
       39  <220> FEATURE:
       40  <221> NAME/KEY: MISC_FEATURE
       41  <222> LOCATION: (13)..(13)
       42  <223> OTHER INFORMATION: X represents any amino acid
       45  <220> FEATURE:
       46  <221> NAME/KEY: MISC_FEATURE
       47  <222> LOCATION: (4)..(10)
       48  <223> OTHER INFORMATION: the sequence motif consisting of residues 4-10 may be
repeated n
       49        times in the structure.
       52  <220> FEATURE:
       53  <221> NAME/KEY: MISC_FEATURE
       54  <222> LOCATION: (6)..(6)
       55  <223> OTHER INFORMATION: X represents FE-unit
       58  <220> FEATURE:
       59  <221> NAME/KEY: MISC_FEATURE
       60  <222> LOCATION: (10)..(10)
       61  <223> OTHER INFORMATION: X represents FE-unit
       64  <220> FEATURE:
```

[Handwritten annotations:]
(pg-6)
Does Not Comply
Corrected Diskette Needed
cpg-1,2,3,4,)

FYI: If number of Xss is a definite figure, insert Maximum,

If number of Xss is a definite figure, insert number of location for Xss,

same as above

'Xss' can only Represent a single amino acid, nothing else.

```
        65 <221> NAME/KEY: MISC_FEATURE
        66 <222> LOCATION: (9)..(9)
        67 <223> OTHER INFORMATION: X represents a polar residue
        70 <400> SEQUENCE: 1
W-->    72 Met Cys Xaa Leu Lys Xaa Glu Xaa Xaa Xaa Xaa Cys Xaa
        73 1               5                   10
        76 <210> SEQ ID NO: 2
        77 <211> LENGTH: 13
        78 <212> TYPE: PRT
        79 <213> ORGANISM: Artificial Sequence
        81 <220> FEATURE:
        82 <223> OTHER INFORMATION: Synthetic construct
        84 <220> FEATURE:
        85 <221> NAME/KEY: MISC_FEATURE
        86 <222> LOCATION: (3)..(3)
        87 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues
        90 <220> FEATURE:
        91 <221> NAME/KEY: MISC_FEATURE
        92 <222> LOCATION: (4)..(10)
        93 <223> OTHER INFORMATION: the sequence motif consisting of residues 4-10 may be
repeated n
        94         times in the structure.
        97 <220> FEATURE:
        98 <221> NAME/KEY: MISC_FEATURE
        99 <222> LOCATION: (11)..(11)
       100 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues
       103 <220> FEATURE:
       104 <221> NAME/KEY: MISC_FEATURE
       105 <222> LOCATION: (8)..(8)
       106 <223> OTHER INFORMATION: X represents leucine, isoleucine or valine.
       109 <220> FEATURE:
       110 <221> NAME/KEY: MISC_FEATURE
       111 <222> LOCATION: (6)..(6)
       112 <223> OTHER INFORMATION: X represents FE-unit
       115 <220> FEATURE:
       116 <221> NAME/KEY: MISC_FEATURE
       117 <222> LOCATION: (10)..(10)
       118 <223> OTHER INFORMATION: X represents FE-unit
       121 <220> FEATURE:
       122 <221> NAME/KEY: MISC_FEATURE
       123 <222> LOCATION: (13)..(13)
       124 <223> OTHER INFORMATION: X represents any amino acid
       127 <220> FEATURE:
       128 <221> NAME/KEY: MISC_FEATURE
       129 <222> LOCATION: (9)..(9)
       130 <223> OTHER INFORMATION: X represents a polar residue
       133 <400> SEQUENCE: 2
W-->   135 Met Cys Xaa Leu Glu Xaa Lys Xaa Xaa Xaa Xaa Cys Xaa
       136 1               5                   10
       139 <210> SEQ ID NO: 3
```

[handwritten annotations: "Same as page 1" with arrow pointing to line 87; "Same as above" with arrow pointing to line 100; "Same Error" with arrow pointing to lines 112 and 118]

```
              RAW SEQUENCE LISTING          DATE: 01/03/2006
              PATENT APPLICATION:  US/10/561,179     TIME: 11:37:09

              Input Set : A:\SEQ LISTING.ST25.txt
              Output Set: N:\CRF4\01032006\J561179.raw
```

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140 <211> LENGTH: 13
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetic construct
147 <220> FEATURE:
148 <221> NAME/KEY: MISC_FEATURE
149 <222> LOCATION: (3)..(3)
150 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
153 <220> FEATURE:
154 <221> NAME/KEY: MISC_FEATURE
155 <222> LOCATION: (6)..(6)
156 <223> OTHER INFORMATION: X represents FE-unit
159 <220> FEATURE:
160 <221> NAME/KEY: MISC_FEATURE
161 <222> LOCATION: (8)..(8)
162 <223> OTHER INFORMATION: X represents leucine, isoleucine or valine
165 <220> FEATURE:
166 <221> NAME/KEY: MISC_FEATURE
167 <222> LOCATION: (9)..(9)
168 <223> OTHER INFORMATION: X represents FE-unit
171 <220> FEATURE:
172 <221> NAME/KEY: MISC_FEATURE
173 <222> LOCATION: (10)..(10)
174 <223> OTHER INFORMATION: X represents a polar residue
177 <220> FEATURE:
178 <221> NAME/KEY: MISC_FEATURE
179 <222> LOCATION: (4)..(10)
180 <223> OTHER INFORMATION: the sequence motif consisting of residues 4-10 may be
repeated n
181         times in the structure.
184 <220> FEATURE:
185 <221> NAME/KEY: MISC_FEATURE
186 <222> LOCATION: (11)..(11)
187 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
190 <220> FEATURE:
191 <221> NAME/KEY: MISC_FEATURE
192 <222> LOCATION: (13)..(13)
193 <223> OTHER INFORMATION: X represents any amino acid
196 <400> SEQUENCE: 3
198 Met Cys Xaa Leu Lys Xaa Glu Xaa Xaa Xaa Xaa Cys Xaa
199 1                5                   10
202 <210> SEQ ID NO: 4
203 <211> LENGTH: 13
204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Synthetic construct
210 <220> FEATURE:
211 <221> NAME/KEY: MISC_FEATURE
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[handwritten annotations] → same as page 1 · → same Error · → same as above

W--> (marking at line 198)

RAW SEQUENCE LISTING   DATE: 01/03/2006
PATENT APPLICATION: US/10/561,179   TIME: 11:37:09

Input Set : **A:\SEQ LISTING.ST25.txt**
Output Set: **N:\CRF4\01032006\J561179.raw**

```
212 <222> LOCATION: (13)..(13)
213 <223> OTHER INFORMATION: X represents any amino acid
216 <220> FEATURE:
217 <221> NAME/KEY: MISC_FEATURE
218 <222> LOCATION: (11)..(11)
219 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
222 <220> FEATURE:
223 <221> NAME/KEY: MISC_FEATURE
224 <222> LOCATION: (10)..(10)
225 <223> OTHER INFORMATION: X represents a polar residue
228 <220> FEATURE:
229 <221> NAME/KEY: MISC_FEATURE
230 <222> LOCATION: (9)..(9)
231 <223> OTHER INFORMATION: X represents FE-unit
234 <220> FEATURE:
235 <221> NAME/KEY: MISC_FEATURE
236 <222> LOCATION: (6)..(6)
237 <223> OTHER INFORMATION: X represents FE-unit
240 <220> FEATURE:
241 <221> NAME/KEY: MISC_FEATURE
242 <222> LOCATION: (8)..(8)
243 <223> OTHER INFORMATION: X represents leucine, isoleucine or valine
246 <220> FEATURE:
247 <221> NAME/KEY: MISC_FEATURE
248 <222> LOCATION: (4)..(10)
249 <223> OTHER INFORMATION: the sequence motif consisting of residues 4-10 may be
repeated n
250        times in the structure.
253 <220> FEATURE:
254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (3)..(3)
256 <223> OTHER INFORMATION: X represents Xn, i.e. n number of any amino acid residues.
259 <400> SEQUENCE: 4
261 Met Cys Xaa Leu Glu Xaa Lys Xaa Xaa Xaa Xaa Cys Xaa
262 1               5                    10
265 <210> SEQ ID NO: 5
266 <211> LENGTH: 16
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Synthetic construct
273 <400> SEQUENCE: 5
274 tagtccgaat cccggg                                           16
277 <210> SEQ ID NO: 6
278 <211> LENGTH: 52
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Synthetic construct
285 <400> SEQUENCE: 6
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Handwritten annotations: "Same as page 1" (pointing to line 219); "Same Error" (pointing to lines 231 and 237); "Same as above" (pointing to line 256); "W-->" (pointing to line 261).

```
        RAW SEQUENCE LISTING                      DATE: 01/03/2006
        PATENT APPLICATION:  US/10/561,179        TIME: 11:37:09

        Input Set : A:\SEQ LISTING.ST25.txt
        Output Set: N:\CRF4\01032006\J561179.raw
```

```
286 ccgggatcct gtaatacgac tcactatagg ctgatcgatt tcagtacgga gg        52
289 <210> SEQ ID NO: 7
290 <211> LENGTH: 15
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Synthetic construct
297 <400> SEQUENCE: 7
298 cccgggattc ggact                                                 15
301 <210> SEQ ID NO: 8
302 <211> LENGTH: 76
303 <212> TYPE: RNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Synthetic construct
309 <400> SEQUENCE: 8
310 gcggauuuag cucaguuggg agagcgccag acugaaaauc uggagguccu guguucgauc   60
312 cacagaauuc gcacca                                                 76
315 <210> SEQ ID NO: 9
316 <211> LENGTH: 76
317 <212> TYPE: RNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Synthetic construct
323 <400> SEQUENCE: 9
324 gcggauuuag cucaguuggg agagcgccag acucuuaauc uggagguccu guguucgauc   60
326 cacagaauuc gcacca                                                 76
329 <210> SEQ ID NO: 10
330 <211> LENGTH: 76
331 <212> TYPE: RNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Synthetic construct
337 <220> FEATURE:
338 <221> NAME/KEY: misc_feature
339 <222> LOCATION: (34)..(36)
340 <223> OTHER INFORMATION: variable sequence (i.e. anticodon)
343 <400> SEQUENCE: 10
W--> 344 gcggauuuag cucaguuggg agagcgccag acunnnaauc uggagguccu guguucgauc   60
346 cacagaauuc gcacca                                                 76
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/03/2006
PATENT APPLICATION: US/10/561,179   TIME: 11:37:10

Input Set : A:\SEQ LISTING.ST25.txt
Output Set: N:\CRF4\01032006\J561179.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,6,8,9,10,11,13
Seq#:2; Xaa Pos. 3,6,8,9,10,11,13
Seq#:3; Xaa Pos. 3,6,8,9,10,11,13
Seq#:4; Xaa Pos. 3,6,8,9,10,11,13
Seq#:10; N Pos. 34,35,36

VERIFICATION SUMMARY   DATE: 01/03/2006
PATENT APPLICATION: **US/10/561,179**   TIME: 11:37:10

Input Set : **A:\SEQ LISTING.ST25.txt**
Output Set: **N:\CRF4\01032006\J561179.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:72 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0